

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **07269130 A**

(43) Date of publication of application: **17.10.85**

(51) Int. Cl. **E04G 23/02**
C04B 41/72

(21) Application number: **06057474**

(22) Date of filing: **28.03.84**

(71) Applicant: **TAISEI CORP**

(72) Inventor: **KAMATA HIROBUMI**
UIGUNARAAJIYA
SHIBAKUMARAN
KOBAYASHI SADA0
FUJIOKA TOMOO
SUGIMOTO KENJI
TATEWA MASAACKI

**(54) CLEANUP AND REMOVING METHOD OF
CONTAMINATED CONCRETE SURFACE**

(57) Abstract:

PURPOSE: To perfectly clean up the contaminated surface of concrete by drying the surface by low power laser irradiation, impregnating the surface with contamination cleanup material, vitrifying the surface by high power laser irradiation, and then removing the glassy object.

CONSTITUTION: The water content of contaminated concrete after hardening is evaporated and dried (100). Dust and efflorescence on the concrete surface is removed (101). Next, after drying the surface by low power laser irradiation (102), organic or inorganic contamination cleanup material is spread or impregnated on the surface (103, 104). Next, the surface of concrete is solidified or vitrified by high power laser irradiation (105, 106). Next, the glassy object is pulverized and removed (107, 108).

COPYRIGHT: (C)1995,JPO

